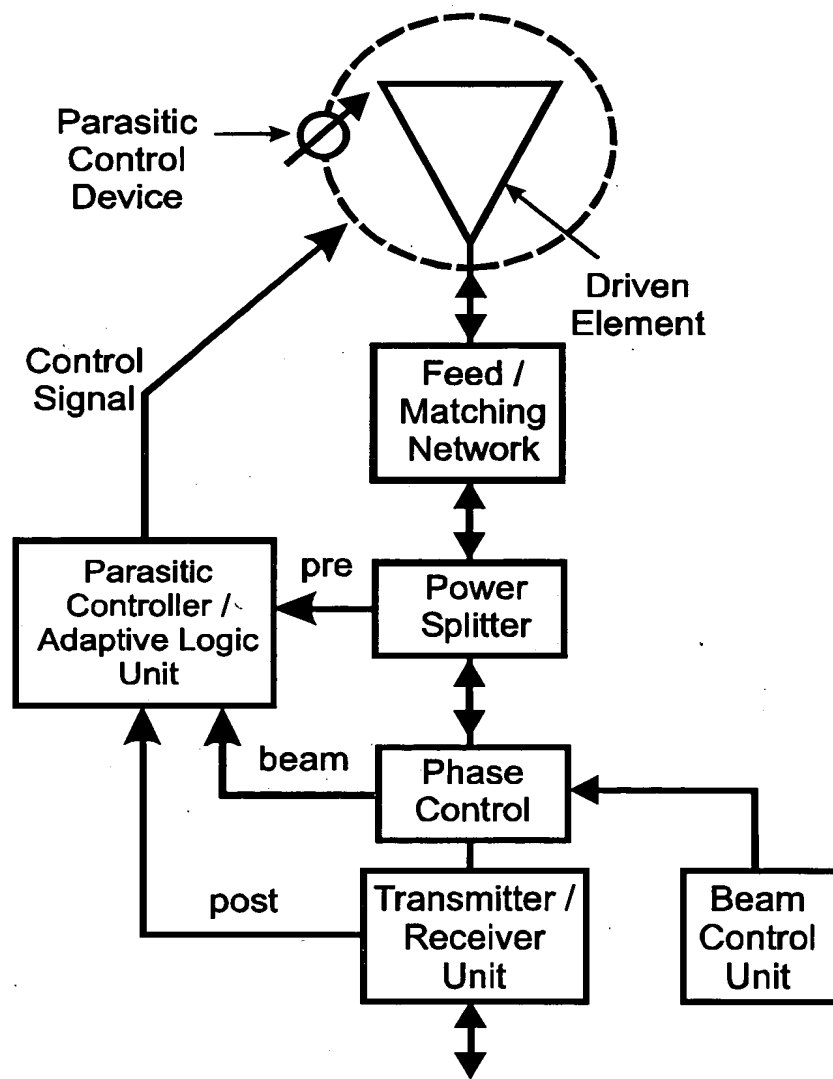
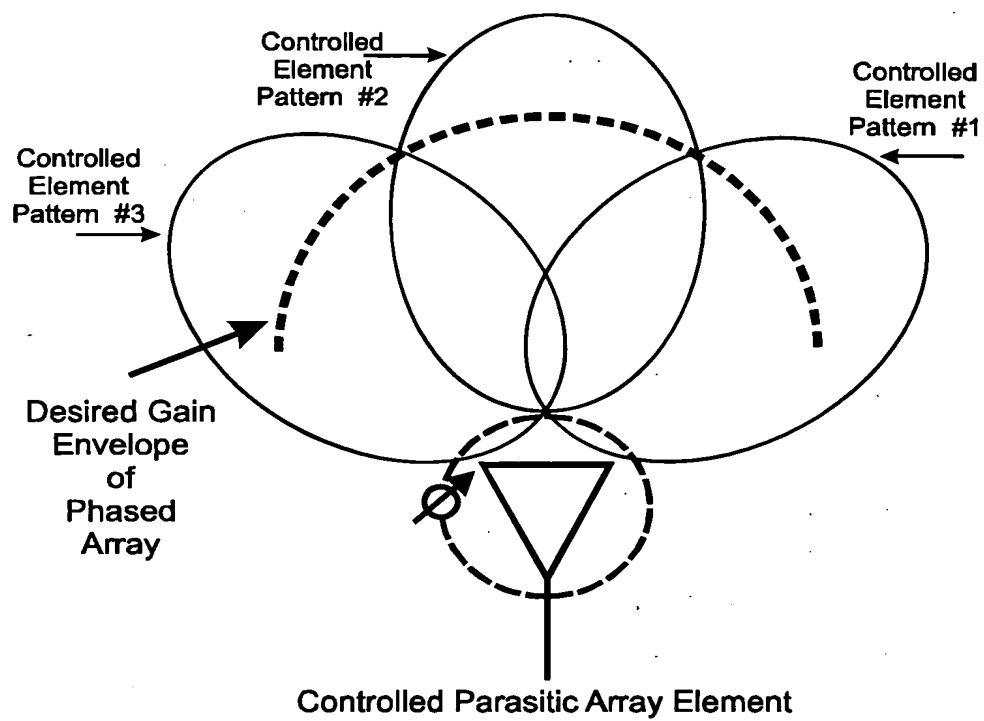


*Fig. 1*



*Fig. 2*



*Fig. 3*

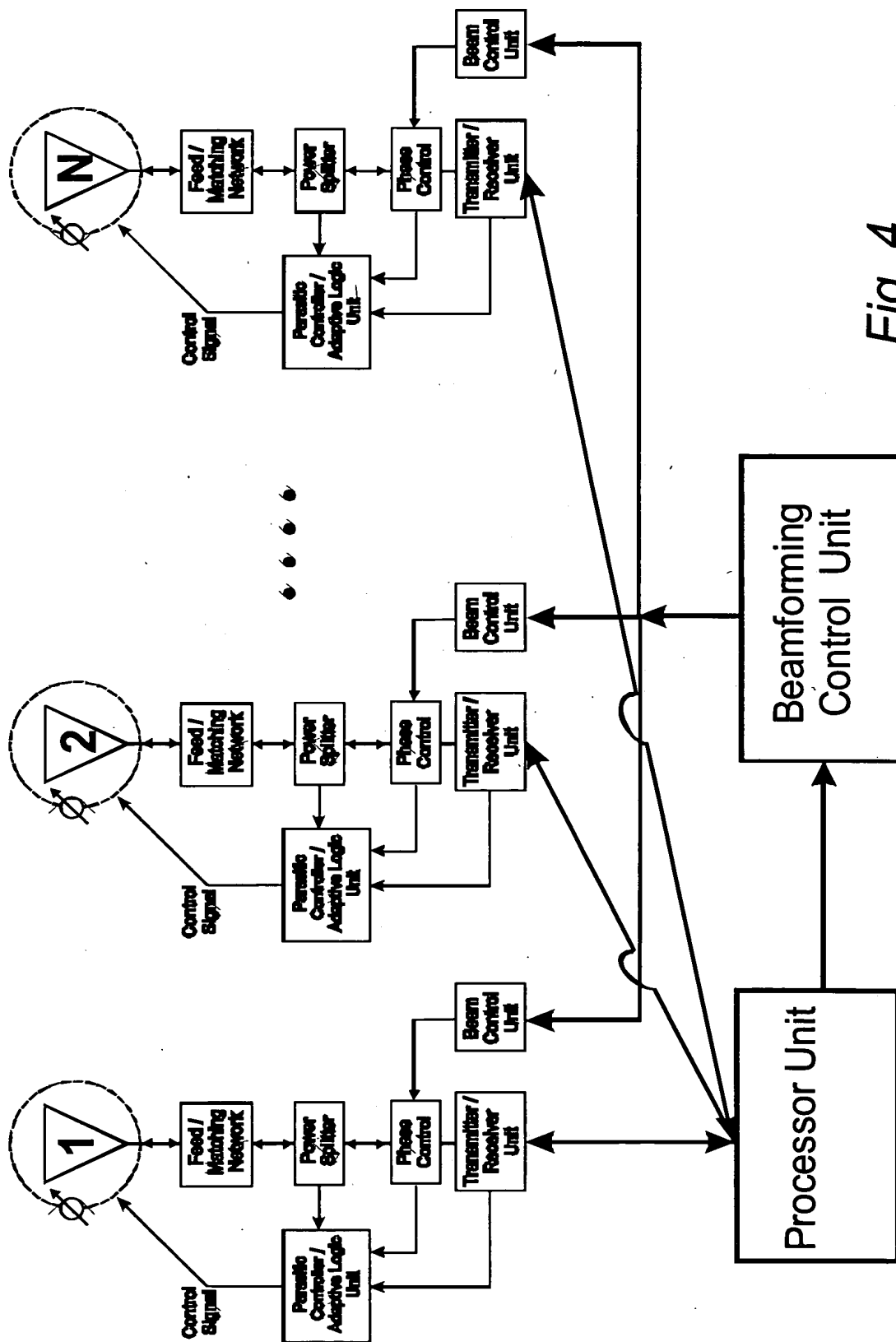


Fig. 4

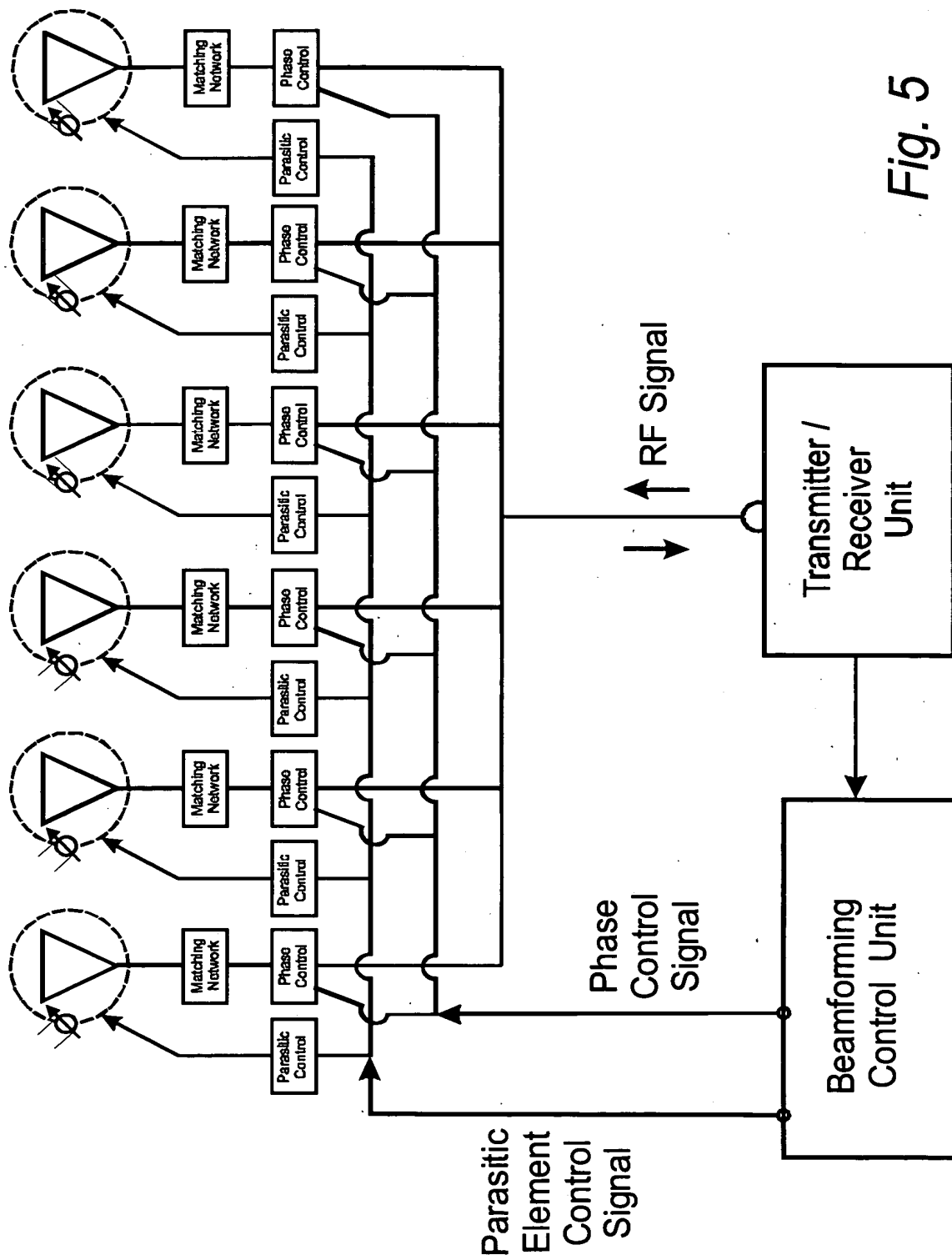


Fig. 5

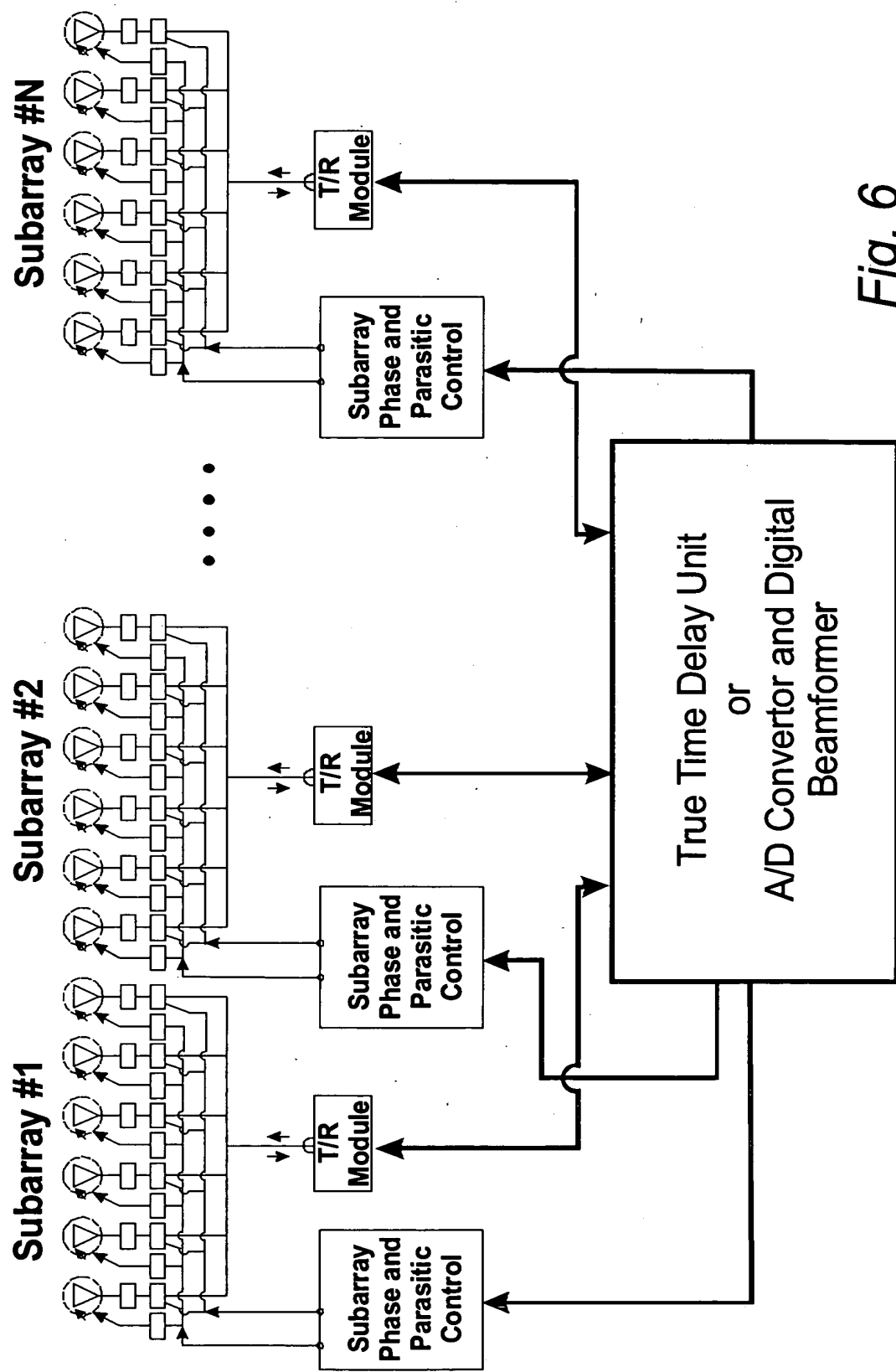


Fig. 6

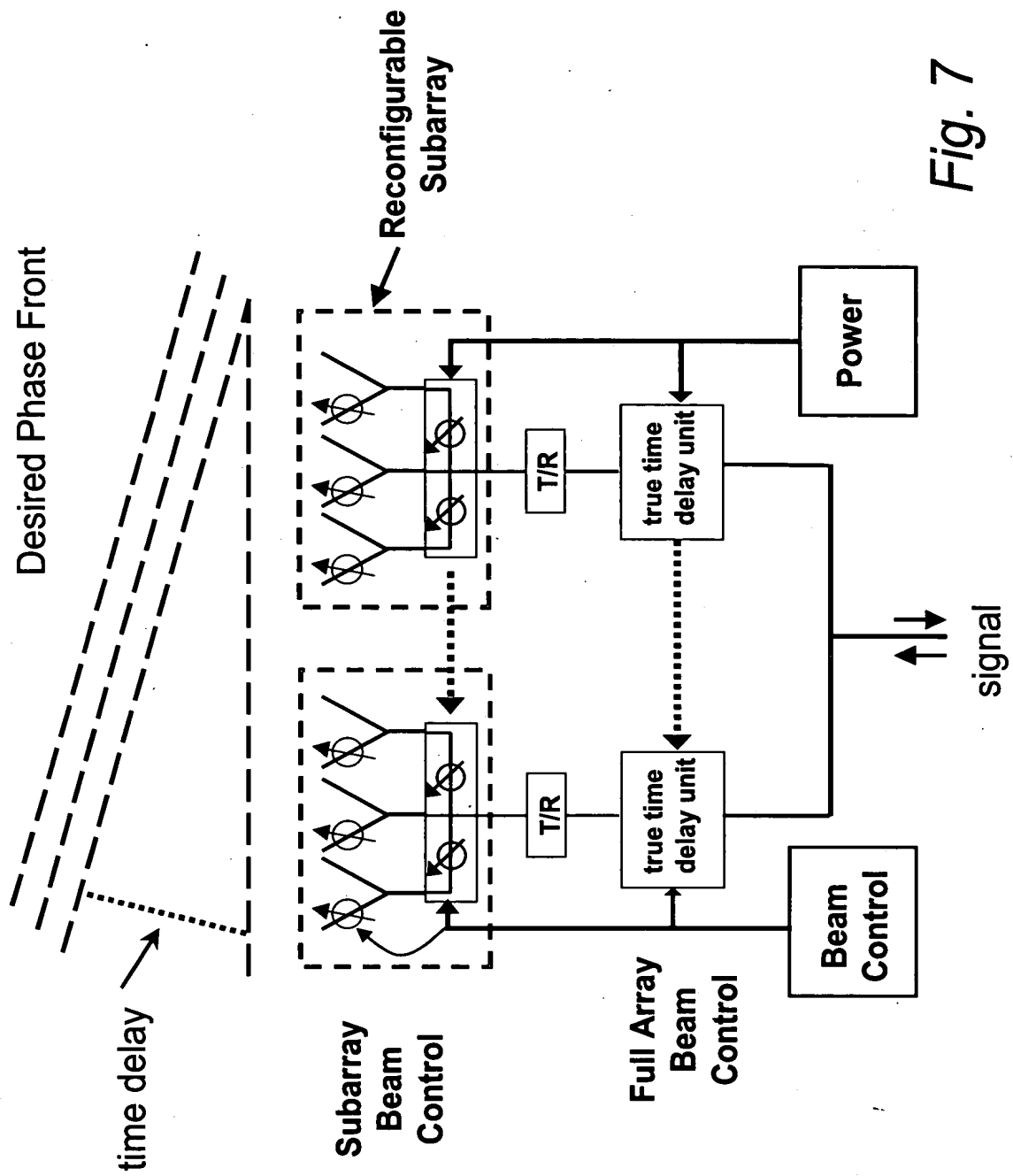
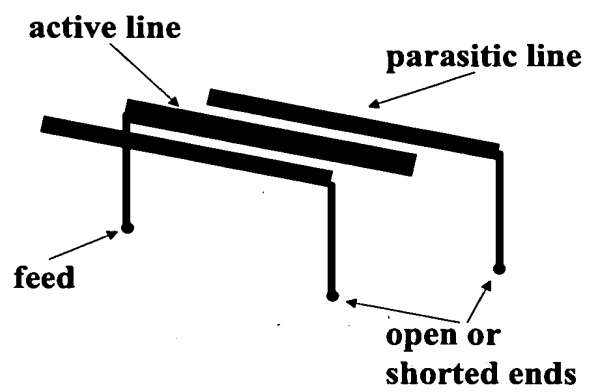
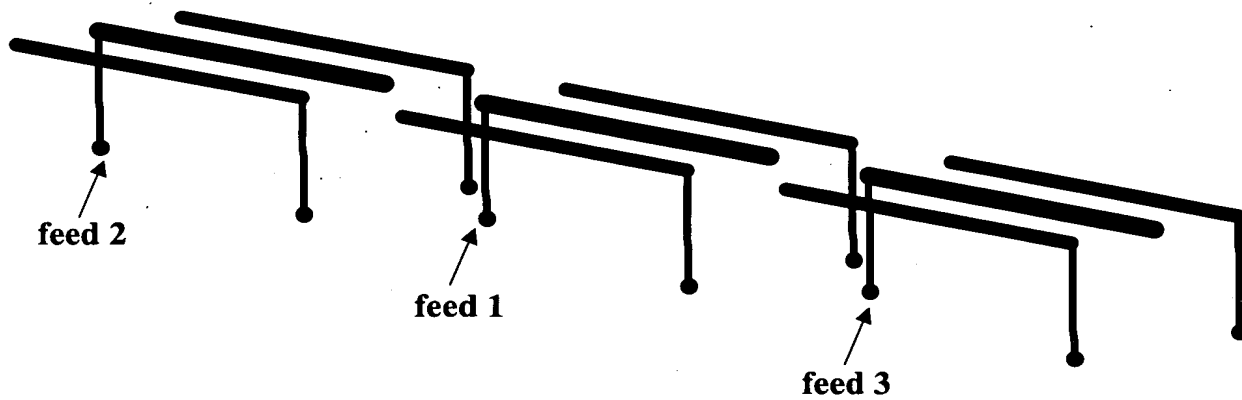


Fig. 7



*Fig. 8*



*Fig. 9*

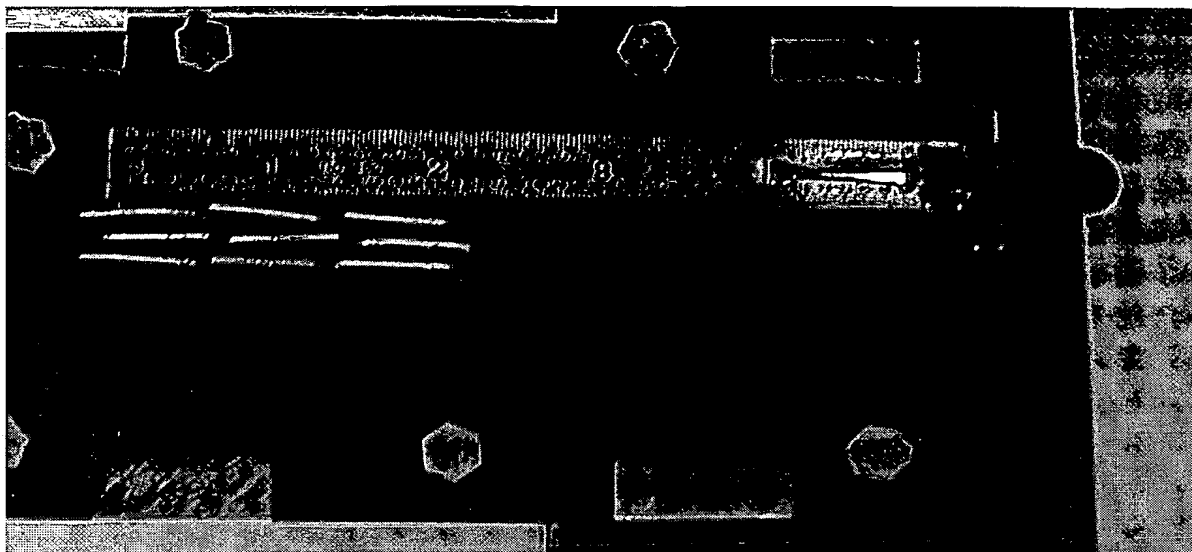


Fig. 10

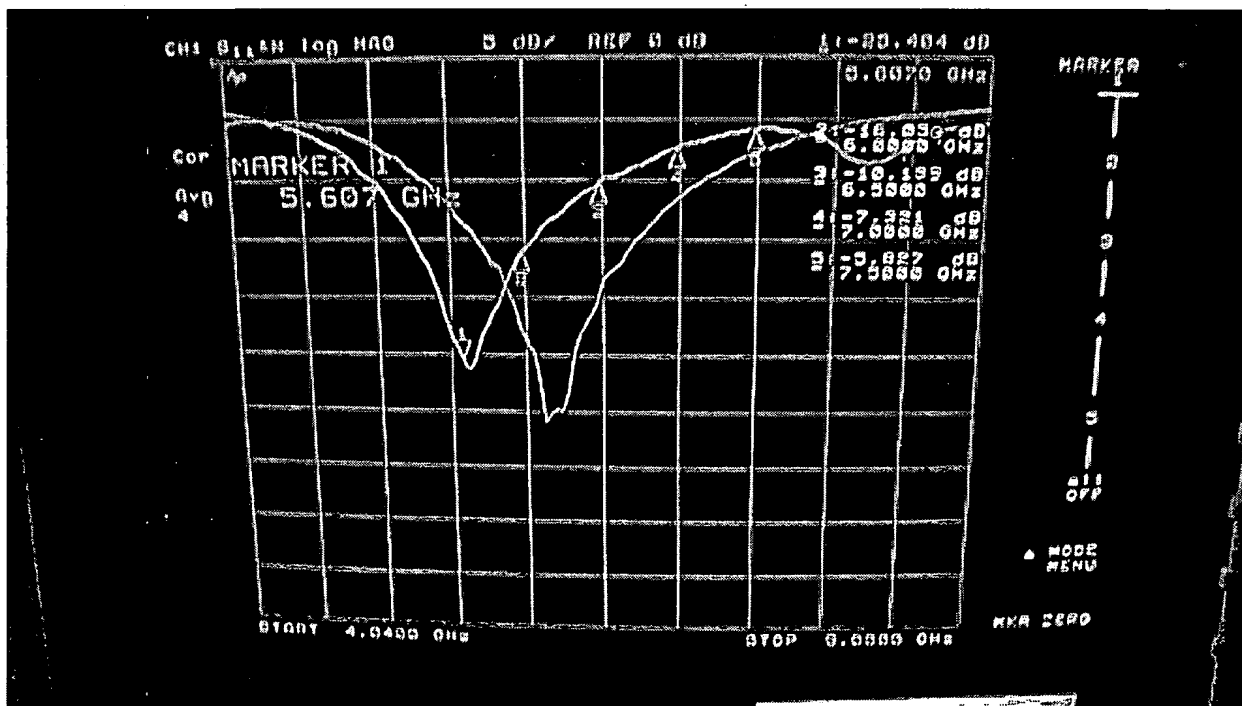
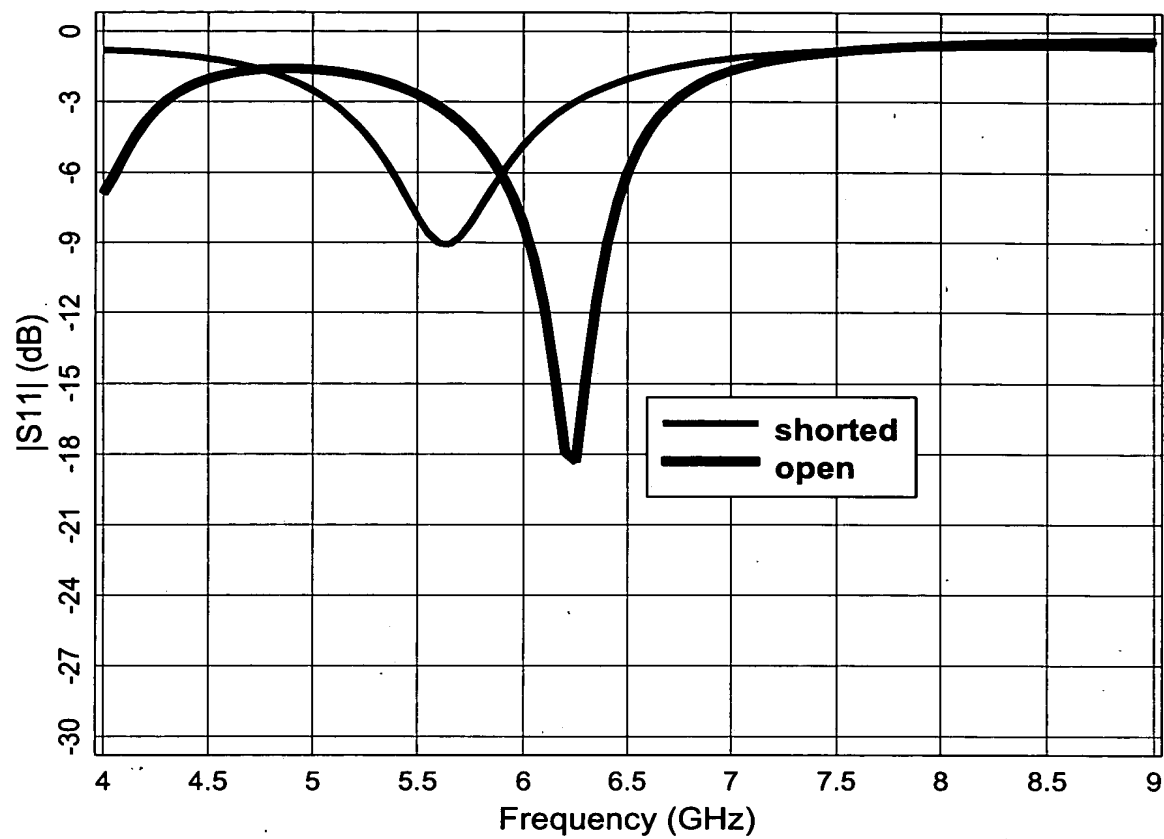
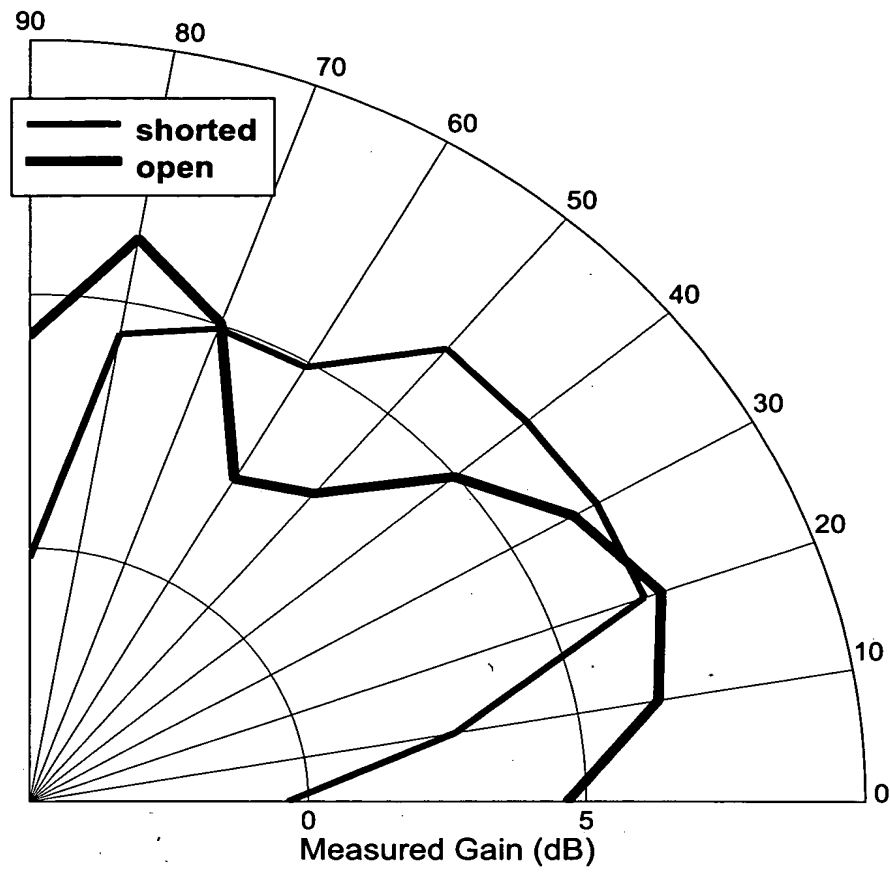


Fig. 11

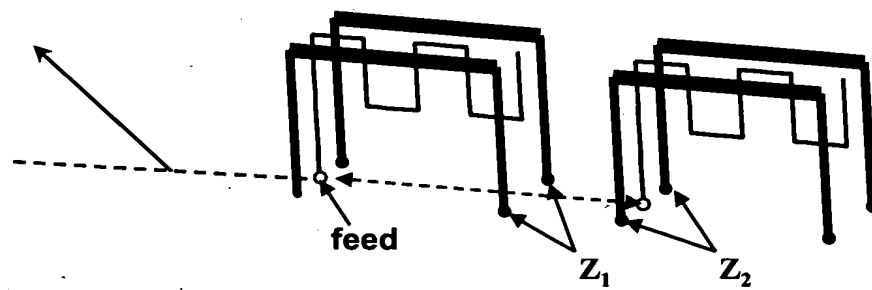
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*Fig. 12*

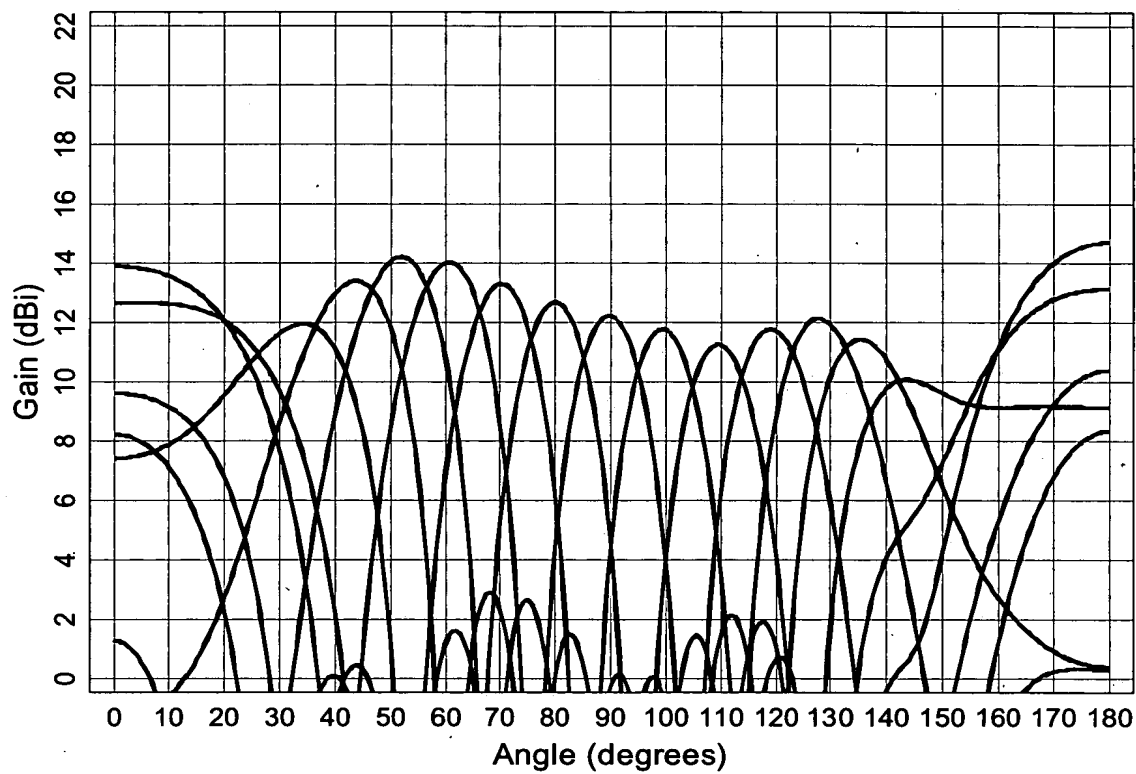


*Fig. 13*



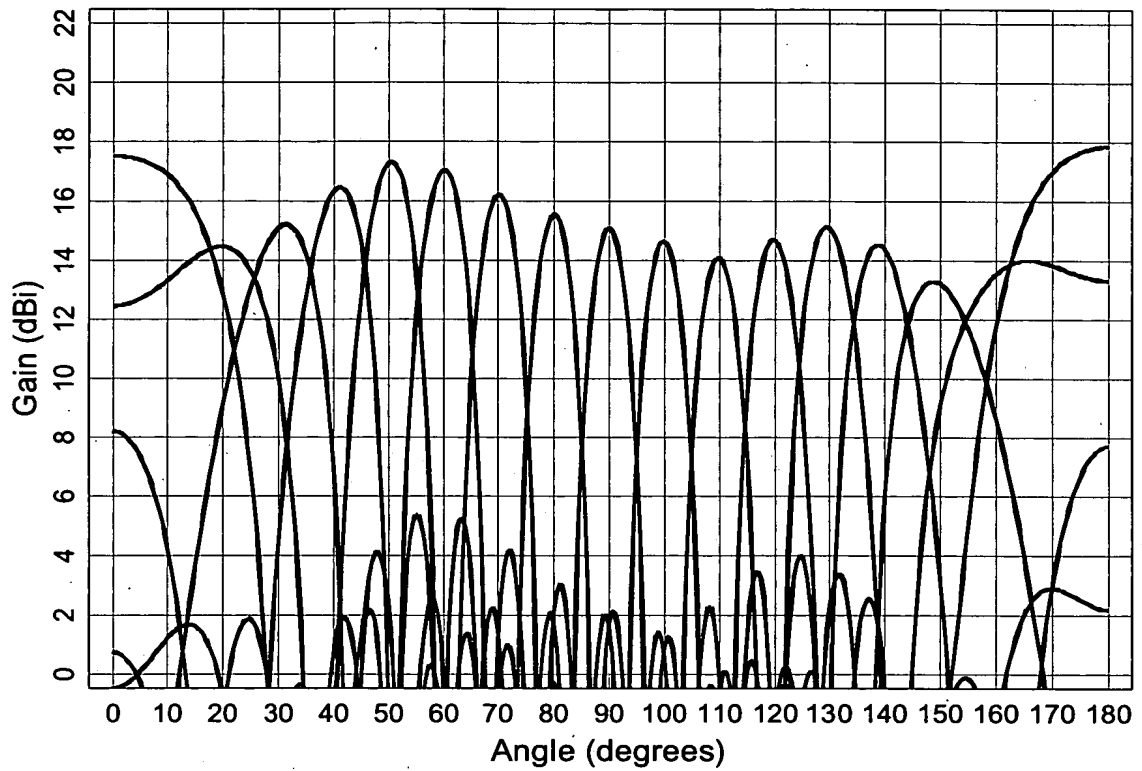
*Fig. 14*

Antenna Gain (dBi) 10.5 GHz  
Optimized the 2 loads for each scan direction

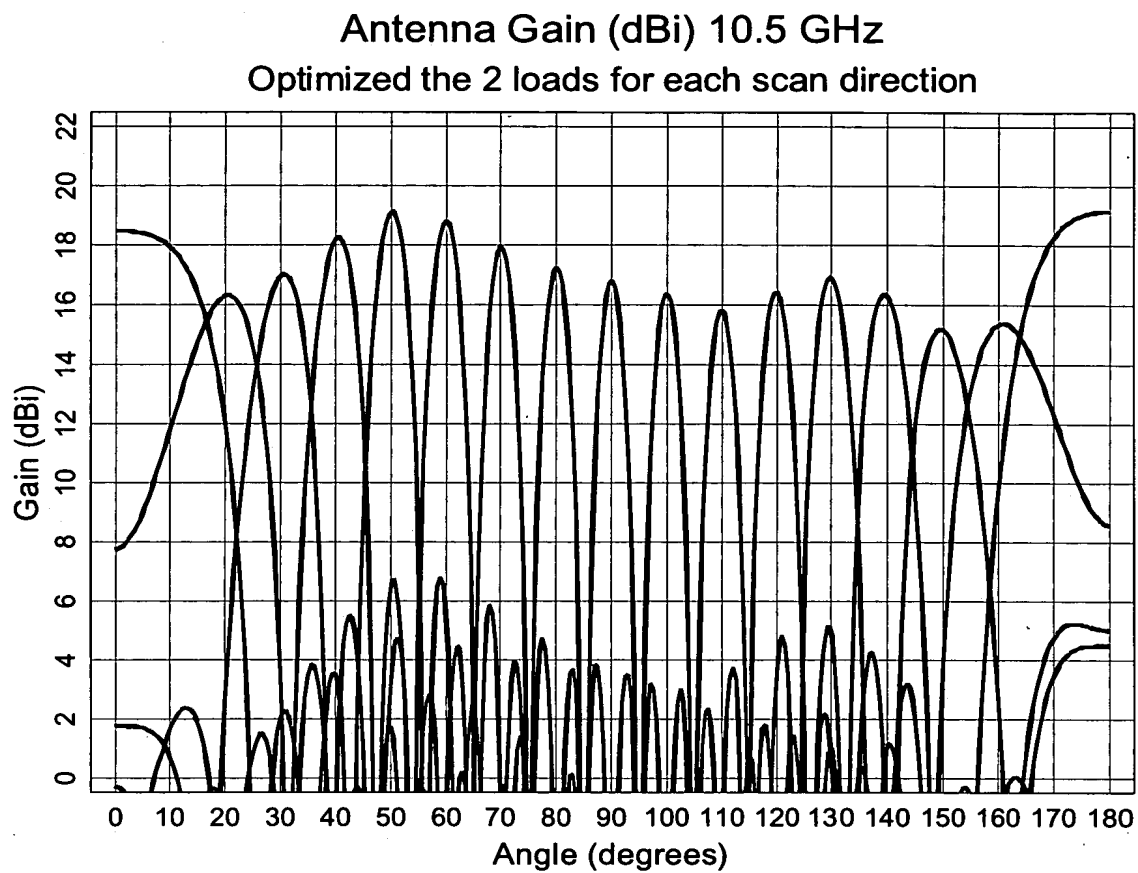


*Fig. 15*

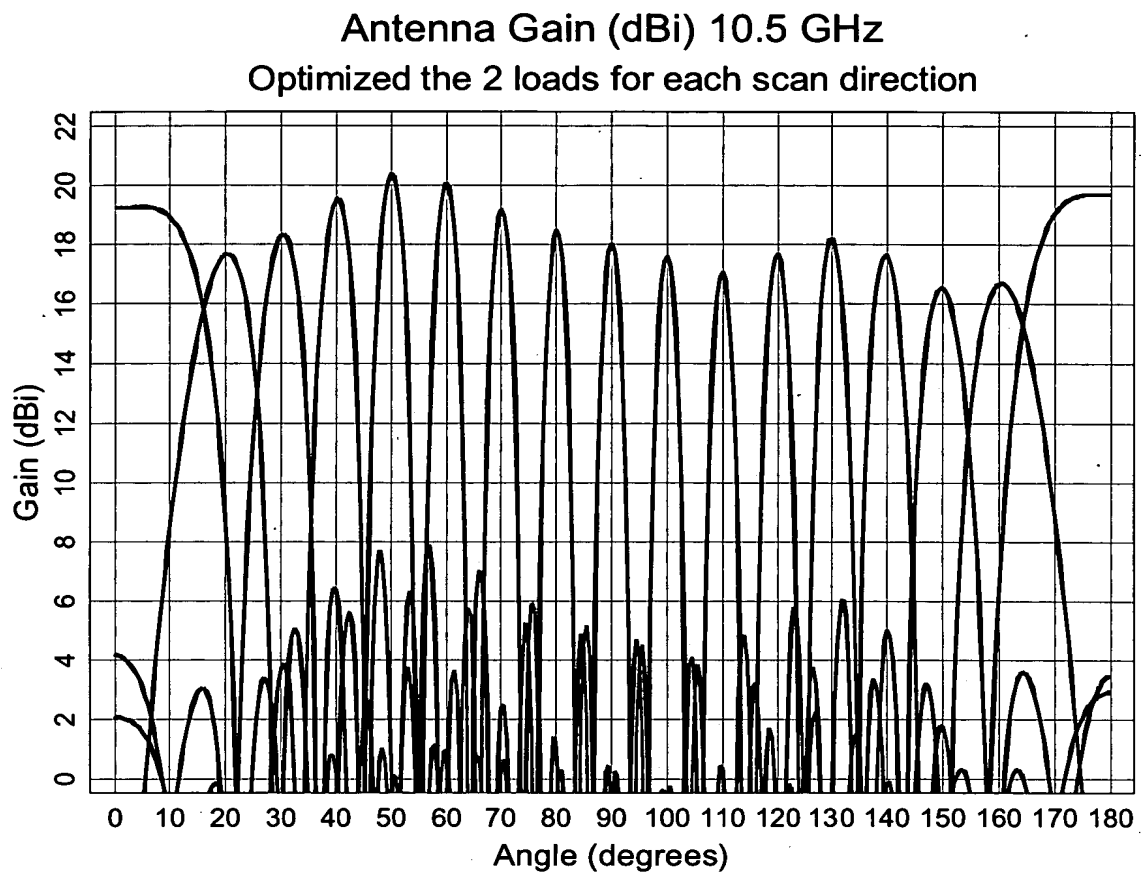
Antenna Gain (dBi) 10.5 GHz  
Optimized the 2 loads for each scan direction



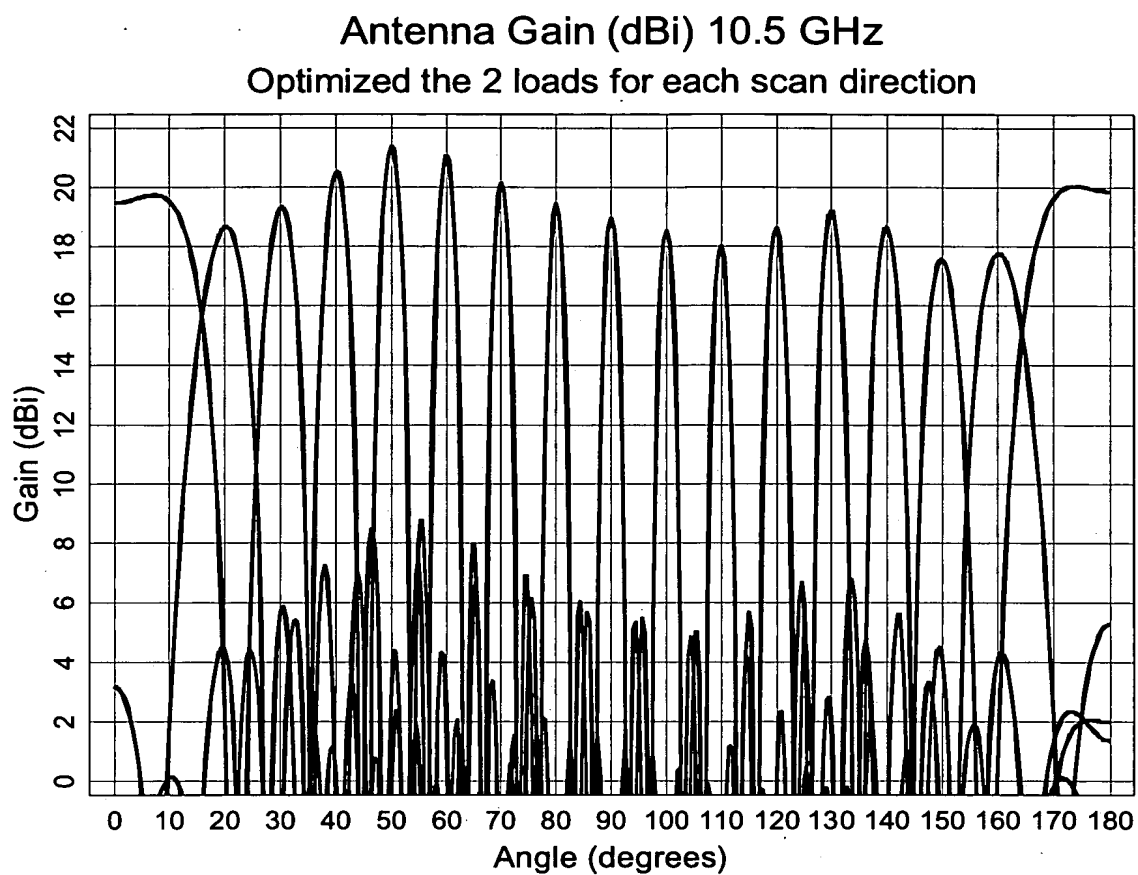
*Fig. 16*



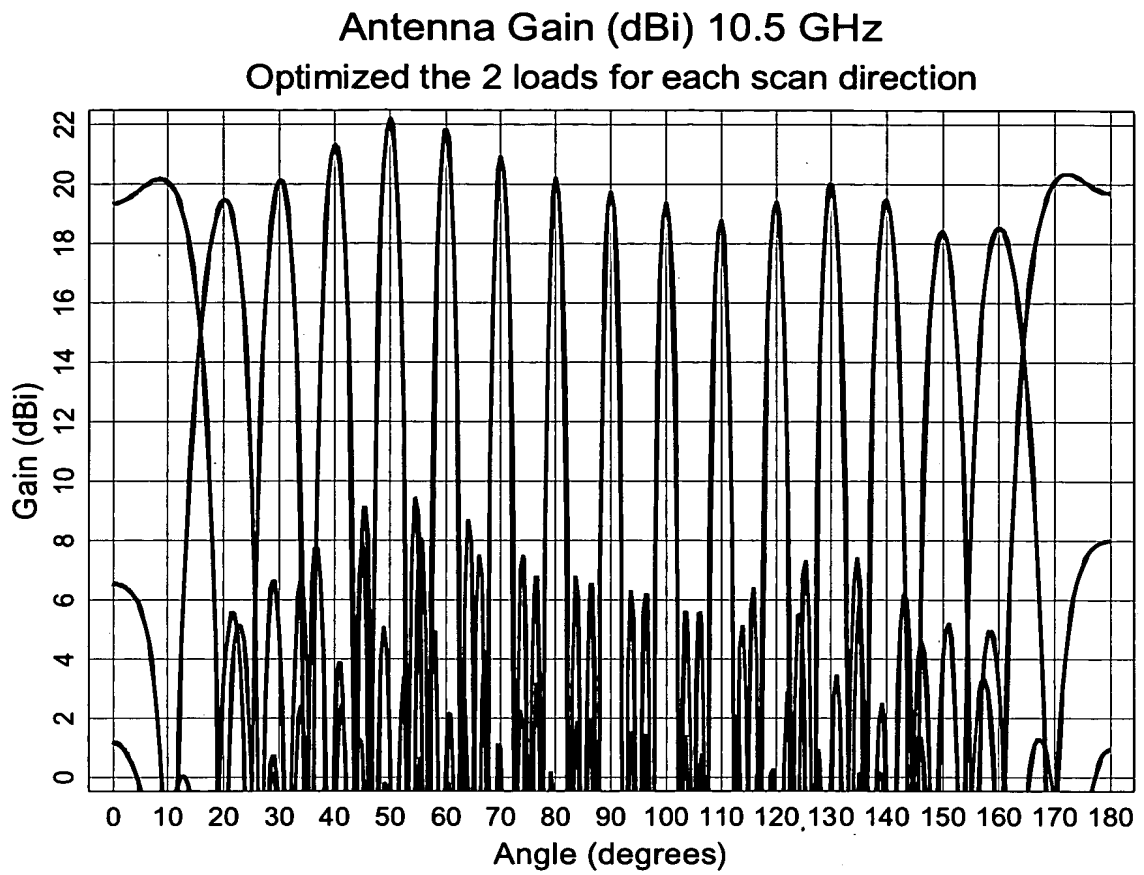
*Fig. 17*



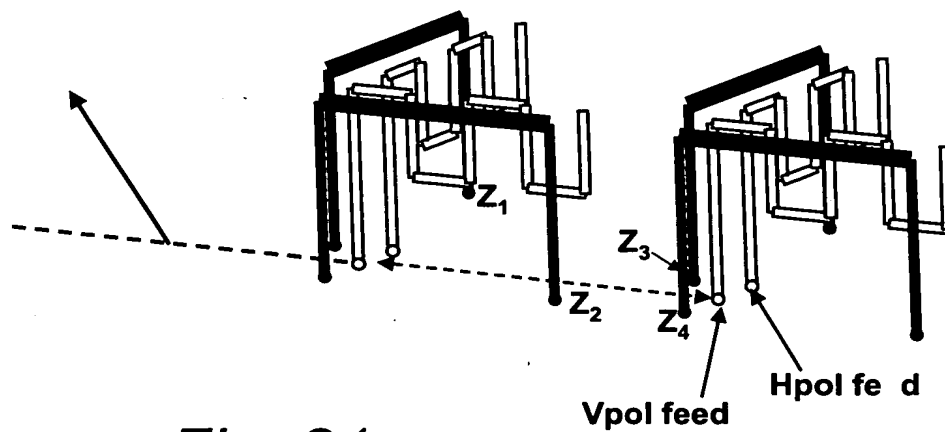
*Fig. 18*



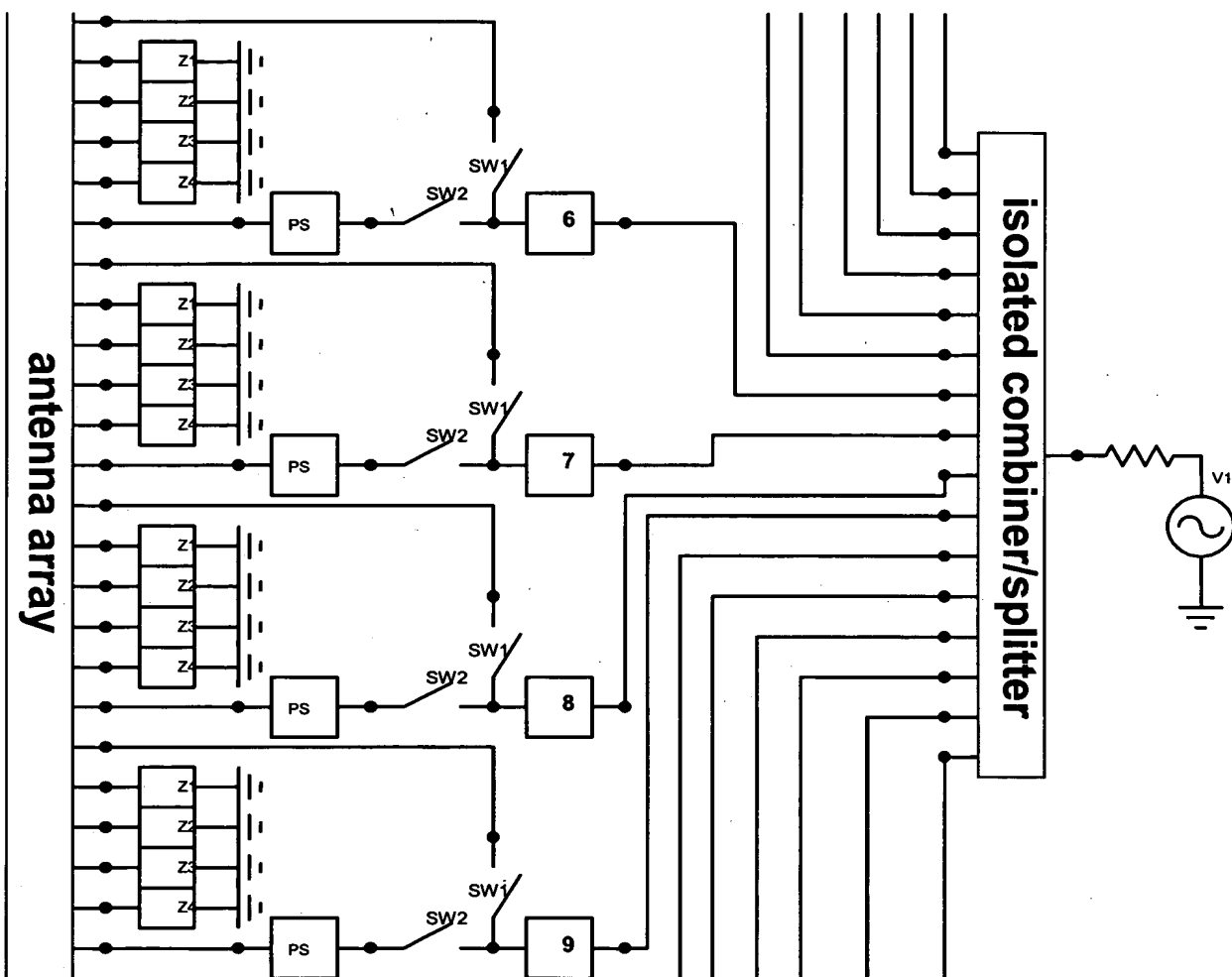
*Fig. 19*



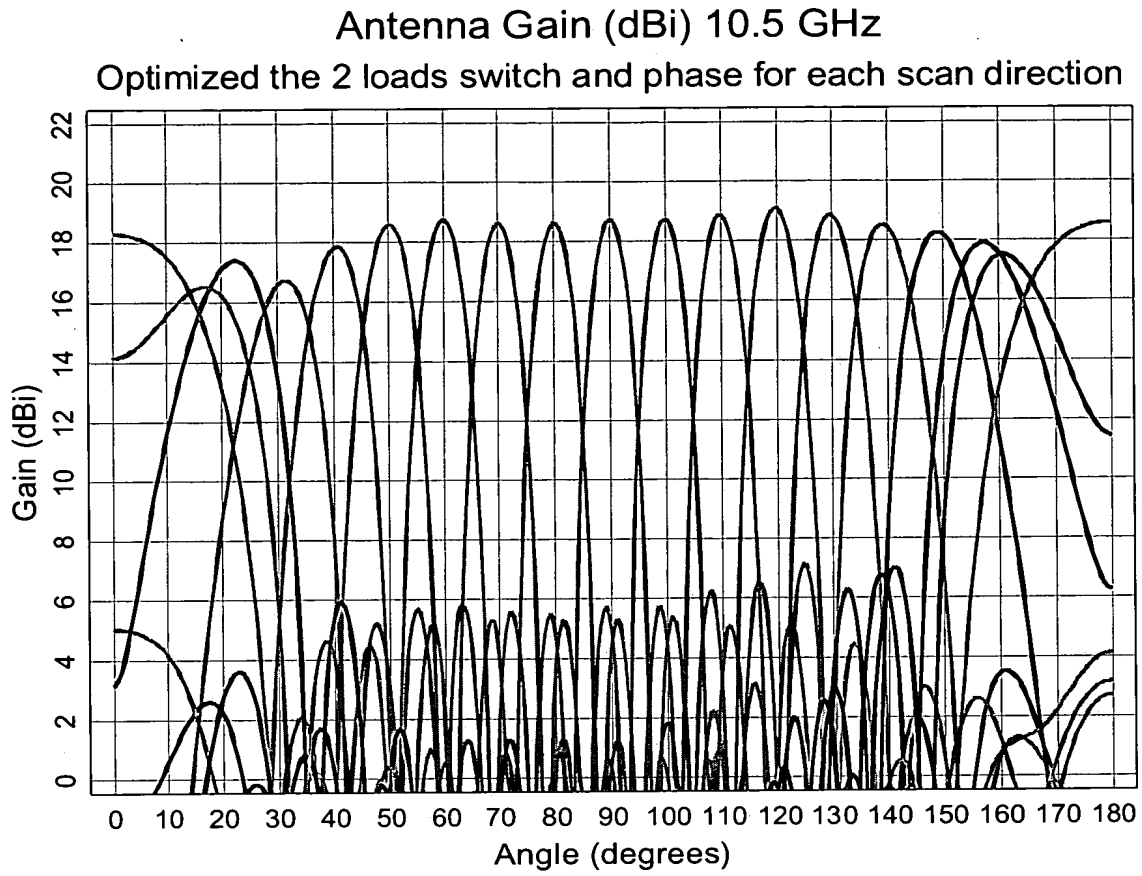
*Fig. 20*



*Fig. 21*



*Fig. 22*



*Fig. 23*

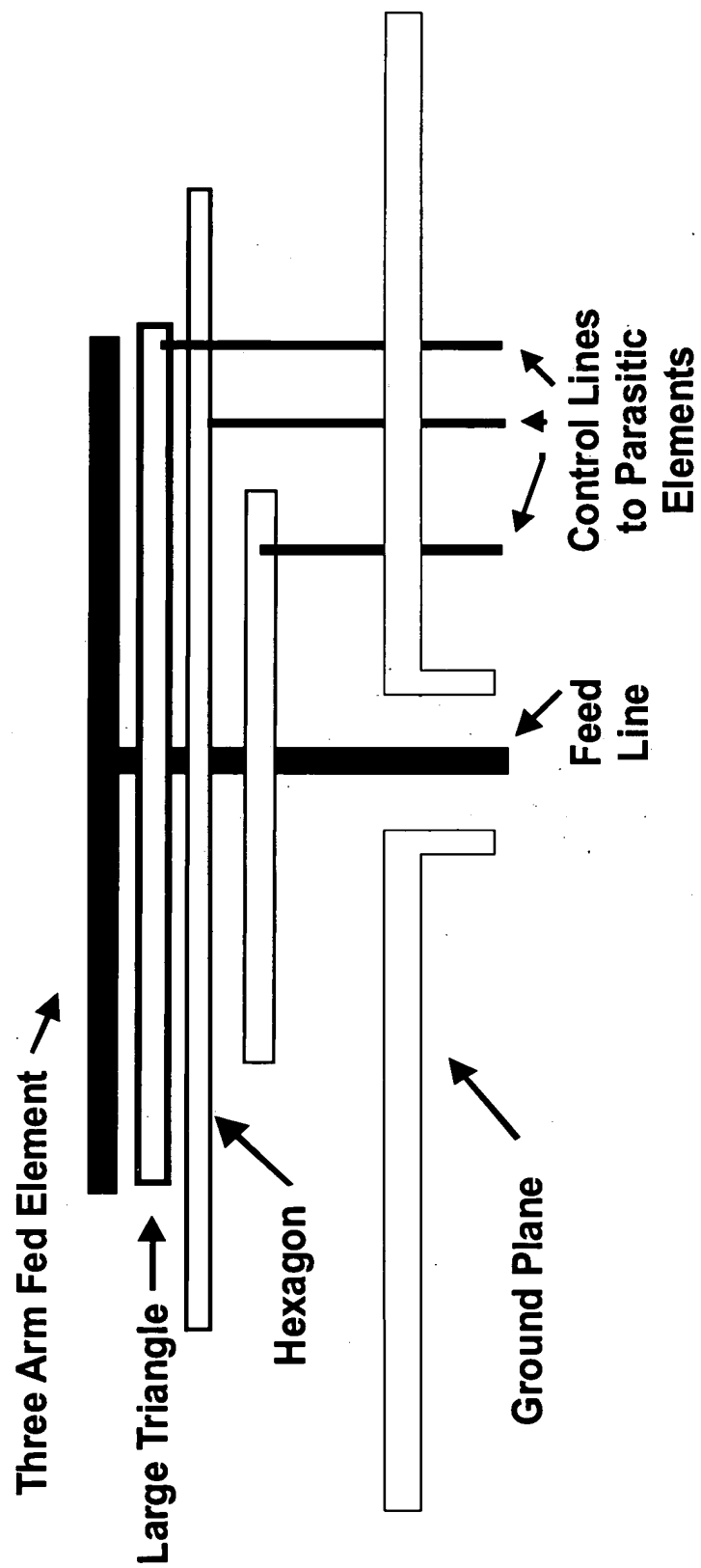


Fig. 24

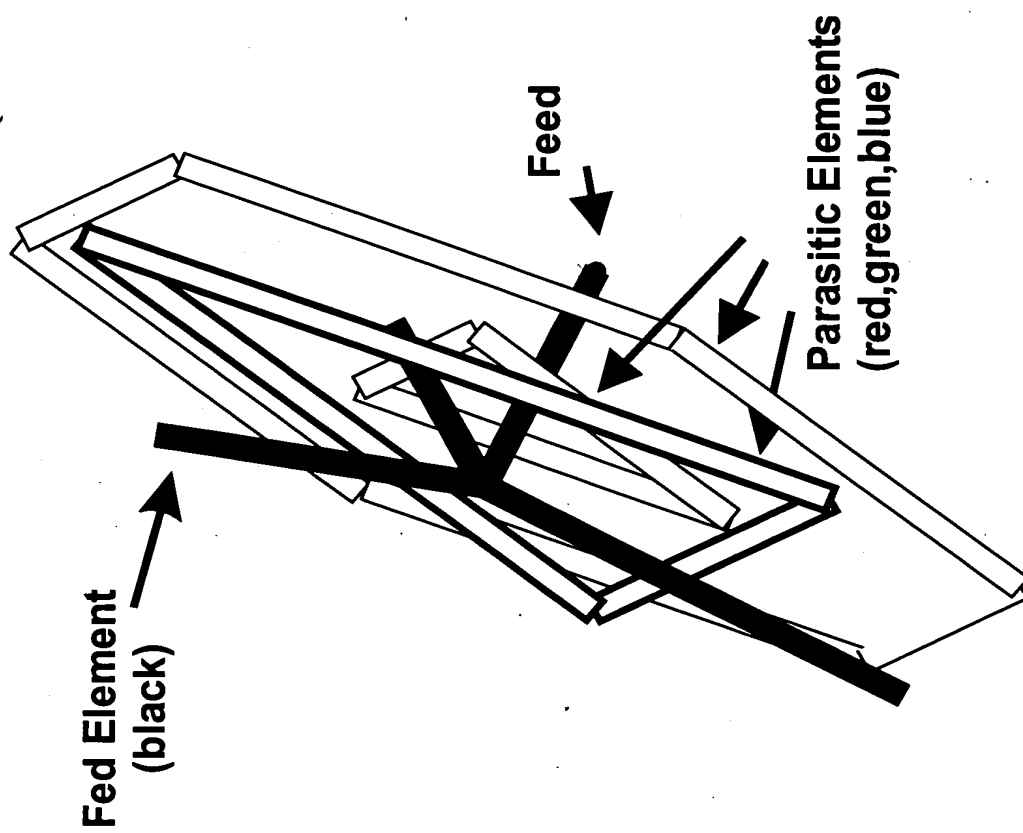


Fig. 25

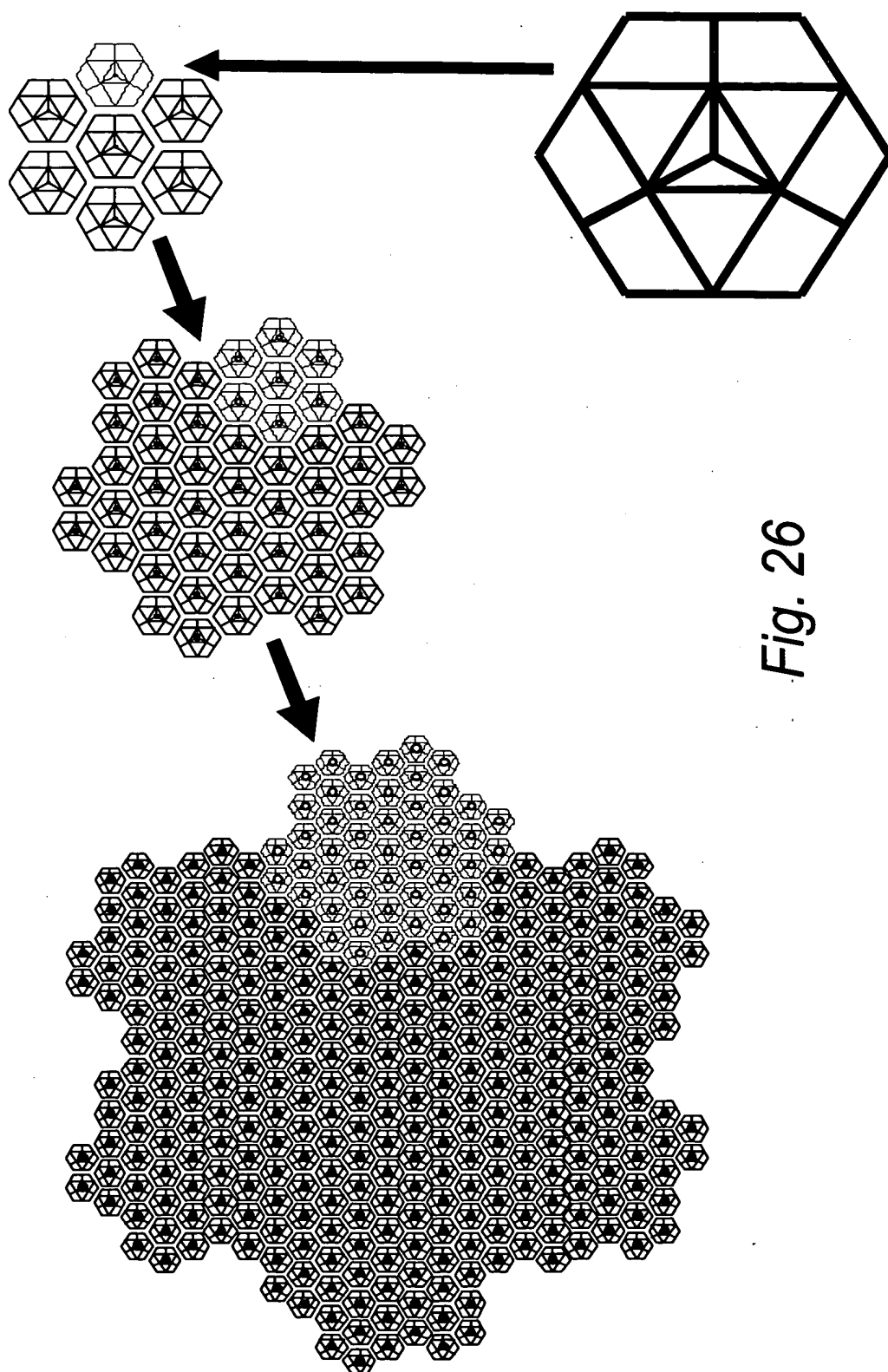


Fig. 26